



## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. TRW 2 136-4Date: April 20, 1994

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

## REISSUE APPLICATION TRANSMITTAL

Transmitted herewith is the application for reissue of U.S. patent No. 5,105,731  
issued on April 21, 1992

Inventor(s): Willibald Kraus

Title: BLOCKING OF RETURN AIR

Enclosed are the following:

## 1. Specification, claim(s) and drawing(s)

(a) ☒ 9 page(s) of specification☒ 4 page(s) of claims☒ 1 page(s) of abstract

NOTE: This must include the entire specification and claims of the patent, with the matter to be omitted by reissue enclosed in square brackets; and any additions made by the reissue must be underlined, so that the old and new specifications and claims may be readily compared. Claims should not be renumbered and the numbering of claims added by reissue should follow the number of the highest numbered patent claim.

(b) ☐ \_\_\_\_\_ sheet(s) of drawing☐ formal☐ informal

☒ No changes in the drawings upon which the original patent was issued are to be made. Therefore, in accordance with 37 CFR 1.174, please find attached, in the size required for original drawings:

☒ a copy of the printed drawings of the patent.☐ a photoprint of the original drawings.

## CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Reissue Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date April 20, 1994 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number TB314436012US addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Rita M. Sulic

(Type or print name of person mailing paper)

Rita M. Sulic

(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein should have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 CFR 1.10(b).

2. Declaration and power of attorney is not attached; however, a Filing Under 37 CFR 1.41(c) is attached.  
☐ \_\_\_\_\_ pages of declaration and power of attorney

3. Preliminary amendment

(Check if applicable)

☐ attached

4. Offer to surrender the original letters patent in accordance with 37 CFR 1.178 is not attached

☐ offer to surrender is by the inventor

☐ along with assent of assignee

☐ offer to surrender is by the assignee of the entire interest (and the reissue application does not seek to enlarge the claims of the original patent).

5. Letters patent is not attached

☐ original letters patent attached

☐ declaration that original letters patent lost or inaccessible

NOTE: "The application may be accepted for examination in the absence of the original patent or the declaration but one or the other must be supplied before the case is allowed." 37 CFR 1.178.

NOTE: "If a reissue be refused, the original patent will be returned to applicant upon his request." 37 CFR 1.178.

6. Title

In accordance with 37 CFR 1.171 this application for reissue is accompanied by

☐ a certified copy of an abstract of title

or

☒ an order for an abstract of title

7. Information Disclosure Statement

(Check if applicable)

☐ attached

8. Priority—35 U.S.C. 119

☒ Priority of application serial no. ~~XXXX~~ P40 02 052.5 filed on January 24, 1990 in Fed. Rep. of is claimed under 35 U.S.C. 119.  
(country ) Germany

☒ The certified copy has been filed in prior application serial no. 07/642,475 filed on January 17, 1991

(Reissue Application Transmittal [17-1]—page 2 of 4)

**9. Fee Calculation (37 CFR 1.16 (h), (i) and (j))**

| CLAIMS AS FILED                          |              |  |   |
|--|--------------|--|---|
| Number Filed                             | Number Extra | Rate   | Basic Fee<br>(37 CFR 1.16(h))<br>\$710.00 |
| Total<br>Claims<br>(37 CFR 1.16(j))      | 16           | — 20 (and also in<br>excess of total<br>claims in patent ) | X \$22.00                                 |
| Independent<br>Claims<br>37 CFR 1.16(i)) | 5            | — (number of inde-<br>pendent claims in<br>patent ) 3      | X \$74.00                                 |
|  |              |  | 148.00                                    |
| Filing fee Calculation                   |              |  | \$ 858.00                                 |

NOTE: Multiple dependent claims are treated as ordinary claims for fee purposes. 37 CFR 1.16(j).

**10. Small Entity Status (If applicable)**

NOTE: A new verified statement is required for the reissue even if one has been filed in the original patent.

- ☐ A verified statement that this filing is by a small entity is  
☐ attached

Filing Fee Calculation (50% of above) \$ \_\_\_\_\_

NOTE: If a verified statement is filed within 2 months of the date of timely payment of a fee then the excess fee paid will be refunded on request. 37 CFR 1.28(a). Effective April 1, 1984.

**11. Method Of Payment of Fees**

- ☒ Enclosed is a check in the amount of \$ 858.00 .  
☐ Charge Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
 A duplicate of this request is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

**12. Authorization To Charge Additional Fees**

WARNING: If no fees are to be paid on filing the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- ☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 06-0308 .

☒ 37 CFR 1.16(a), (f) or (g) (filing fees)

☒ 37 CFR 1.16(b), (c) and (d) (presentation of extra claims)

**NOTE:** Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

☒ 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

☒ 37 CFR 1.17 (application processing fees)

**WARNING:** While 37 CFR 1.17(a), (b), (c) and (d) deal with extensions of time under § 1.136(a) this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. 1.136(a) is to no avail unless a request or petition for extension is filed." (Emphasis added). Notice of November 5, 1985 (1060 O.G. 27).

☐ 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b)).

**NOTE:** Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 CFR 1.311(b).

**NOTE:** 37 CFR 1.28(b) requires "Notification of any change in loss if entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . issue fee". From the wording of 37 CFR 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.



SIGNATURE OF ATTORNEY

Daniel G. Blackhurst

Type or print name of Attorney

Reg. No. 24,039

Tel. No. ( 216 ) 861-5582

1100 Superior Avenue, Suite 700

P.O. Address

Cleveland, Ohio 44114-2518

(Reissue Application Transmittal [17-1]—page 4 of 4)

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Date of Deposit: April 20, 1994  
I hereby certify that this paper or fee is  
being deposited with the United States  
Postal Service "Express Mail Post Office to  
Addressee" service under 37 C.F.R. 1.110 on  
the date indicated above and is addressed to the  
Commissioner of Patents and Trademarks,  
Washington, D.C. 20231

*Rita M. Sulic*  
Rita M. Sulic

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE REISSUE APPLICATION OF : Willibald Kraus  
FOR : BLOCKING OF RETURN AIR  
FILED : Herewith  
SERIAL NO. : Unknown  
ART UNIT : Unknown  
PATENT NO. : 5,105,731  
GRANTED : April 21, 1992  
ATTORNEY DOCKET NO. : TRW 2 136-4

Cleveland, Ohio 44114-2518  
April 20, 1994

FILING UNDER 37 CFR 1.41(C)

Commissioner of Patents  
and Trademarks  
Washington, D. C. 20231

Dear Sir:

The undersigned attorney has been authorized by the applicant to file the above-captioned reissue patent application on his behalf. Such application, with copies of printed drawings of the original patent pursuant to 37 C.F.R. 1.174(a) and appropriate filing fee is submitted herewith.

Applicant is the inventor of the subject matter disclosed and claimed in the application and is as follows:

<sup>1-00</sup>  
Willibald Kraus  
Industriestraße 6, D-6718  
Grundstadt, Germany *DET*

The Applicant is a citizen of Germany.

The above-identified applicant is the actual inventor and is prepared to file a written declaration in accordance with 37 CFR 1.63, 1.64, and 1.175 signed by him, when required by the Patent and Trademark Office.

Correspondence concerning the application should be addressed as follows:

Daniel G. Blackhurst, Esq.  
FAY, SHARPE, BEALL, FAGAN,  
MINNICH & MCKEE  
1100 Superior Avenue  
Suite 700  
Cleveland, Ohio 44114-2518

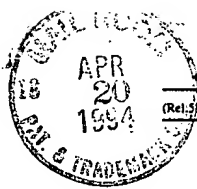
All telephone conversations should be directed to: Daniel G. Blackhurst at (216) 861-5582.

Respectfully submitted,

FAY, SHARPE, BEALL,  
FAGAN, MINNICH & MCKEE

*Daniel G. Blackhurst*

Daniel G. Blackhurst  
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1100 Superior Avenue  
Suite 700  
Cleveland, Ohio 44114-2518  
(216) 861-5582



(Rel. 11/93 Pub. 605)

FORM 17-5

08172 230083

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Reissue Application No.: Unknown

Filed: Herewith

Patent No.: 5,105,731

Granted: April 21, 1992

Patentee: Willibald Kraus

Title: BLOCKING OF RETURN AIR

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**REQUEST FOR ABSTRACT OF TITLE**

1. Please prepare a certified Abstract of Title in respect of the above identified original patent for placing in the official file of the Reissue Application which is filed herewith.

2. (Complete the following, if applicable)

Title in the name of TRW United-Carr GmbH & Co., K.G.  
was recorded on February 25, 1991

Reel 5621, Frame 0835 - 0836

3. For the fee required by 37 CFR 1.19(b)(4) please

☒ find enclosed a check in the amount of \$25.00.

☐ charge Account No. \_\_\_\_\_ in the amount of \$25.00.

A duplicate of this request is attached.

Reg. No. 24,039

Tel. No. ( 216 ) 861-5582

*Daniel G. Blackhurst*

SIGNATURE OF ATTORNEY

Daniel G. Blackhurst

(type or print name of Attorney)

1100 Superior Avenue, Suite 700

(P.O. Address)

Cleveland, OH 44114-2518

160 BA 05/06/94 08230083

1 570 25.00 CK

(Request for Abstract of Title [17-5])

**BEST AVAILABLE COPY**

PATENT NUMBER: 5105731  
SERIAL NUMBER: 07/642473  
TITLE: BLOCKING OF RETURN AIR  
APPLICANT: KRAUS, WILLIBALD

ISSUE DATE: 04/21/92  
FILING DATE: 01/17/91

REEL: 5621 FRAME: 0835 DATE RECORDED: 02/25/91 NUMBER OF PAGES: 002  
ASSIGNOR: KRAUS, WILLIBALD

PXC DATE: 02/02/91

ASSIGNEE: TRW UNITED GARR GMBH & CO. KG, AM PILVERHAUSEN 7, 4750  
ENKENBACH-ALSENBOHN 1, GERMANY A CORP OF GERMANY

BRIEF:

ASSIGNMENT OF ASSIGNORS INTEREST.

RETURN ADDRESS: DANIEL G. BLACKHURST  
FAY, SHARPE, BEALL, FAGAN,  
MINNICH & MCKEE  
1100 SUPERIOR AVE., STE. 700  
CLEVELAND, OH 44114-2518

NO MORE INFORMATION FOR THIS PATENT NUMBER

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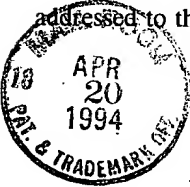
|  |                           |  |                    |
|--|---------------------------|--|--------------------|
| FORM PTO-122<br>(REV. 12-87)   |                           | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |                    |
| TITLE REPORT   |                           |  | PAPER NO. <u>2</u> |
| A. APPLICATION FILE DATA   |                           |  |                    |
| 1. SERIAL NO. <u>08/230,083</u>  |                           | 2. FILED   |                    |
| 3. INVENTOR(S)—FULL NAME(S)<br><u>Willibald Kraus</u>  |                           |  |                    |
| 4. DIVISION OF   |                           |  |                    |
| 5. CONTINUATION OF   |                           |  |                    |
| 6. REISSUE OF <u>5,105,731</u> <u>4-21-92</u>  |                           |  |                    |
| 7. SUBSTITUTE OF   |                           |  |                    |
| B. ASSIGNMENT RECORD DATA  |                           |  |                    |
| The assignment records reveal that the Title appears to be vested in:  |                           |  |                    |
| <input type="checkbox"/> (1.) Inventor(s)  |                           |  |                    |
| <input type="checkbox"/> (2.) As endorsed  |                           |  |                    |
| <input type="checkbox"/> (3.) As the record now stands, the patent, when granted, will issue in the name of the inventor(s). |                           |  |                    |
| <input checked="" type="checkbox"/> (4.) Other <u>TRW United Carr GmbH</u><br><u>&amp; Co. KG</u>                            |                           |  |                    |
| EXAMINED<br>UP TO AND INCLUDING  | THIS CERTIFICATE<br>DATED | <u>5/13/94</u>   |                    |
| BRANCH CHIEF OF ASSIGNMENT SEARCH BRANCH   |                           |  |                    |

LSE

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US

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, DC 20231.



Rita M. Sulic

(Typed or printed name of Sender)

*Rita M. Sulic*

(Signature)

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